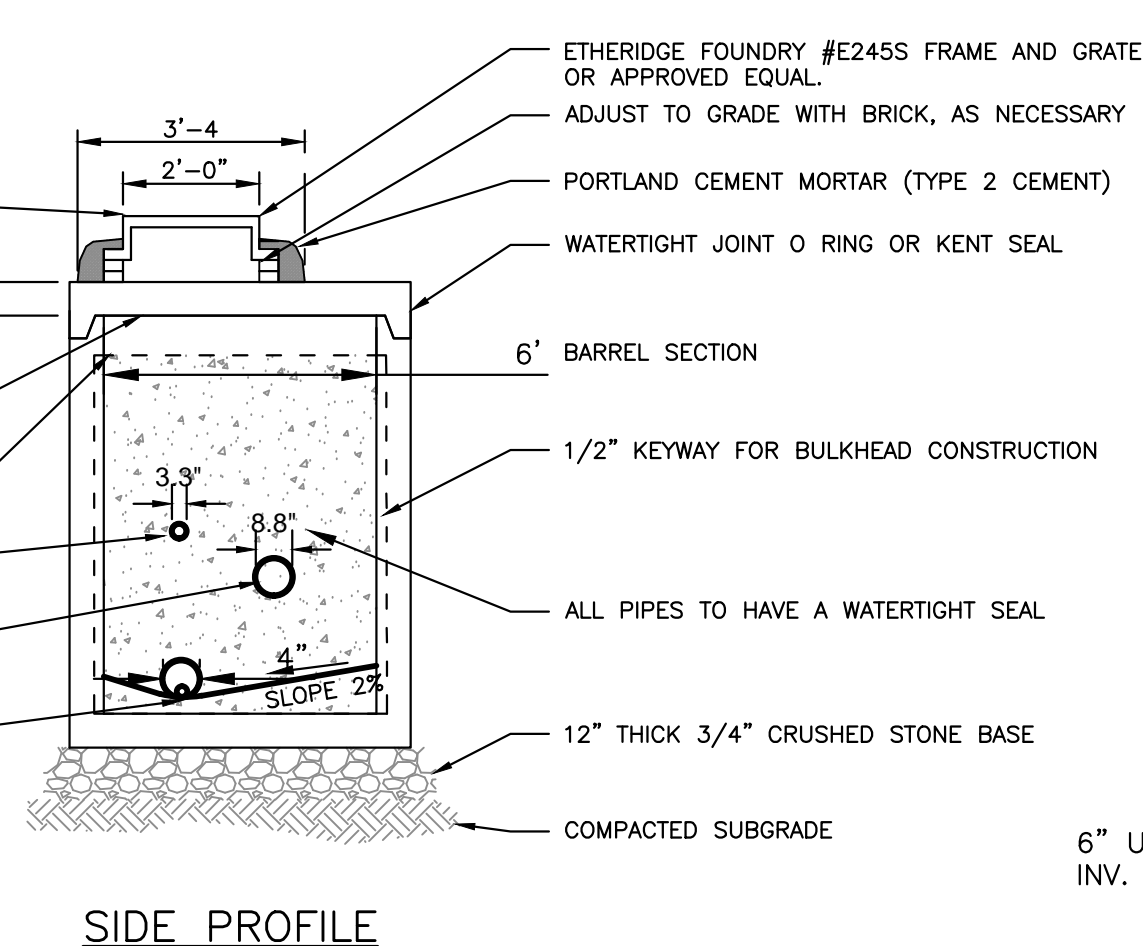
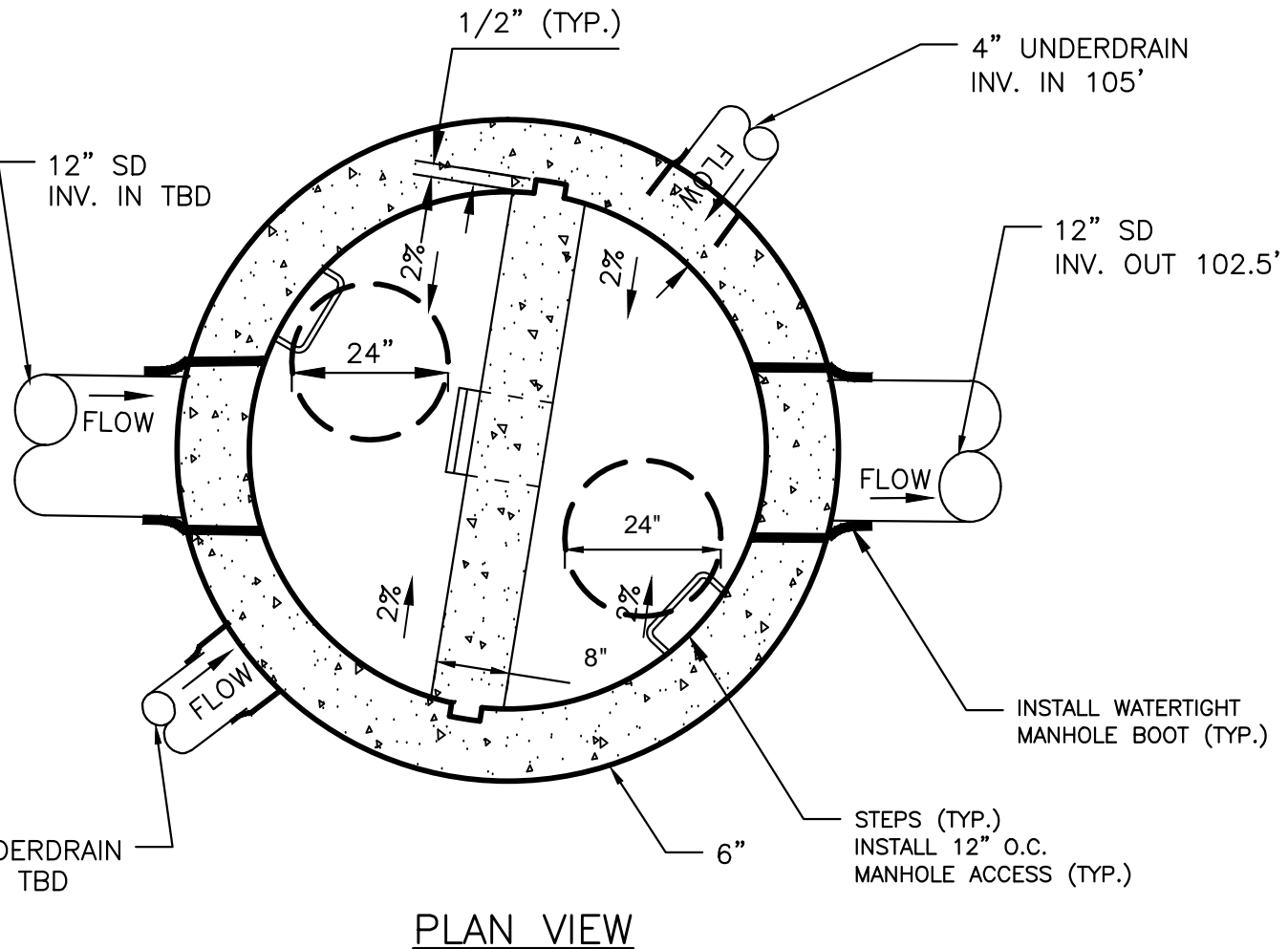


PLAN VIEW LAYOUT
1"=10'

- DESIGN NOTES:**
1. ALL CONCRETE TO HAVE A MIN. OF 4,000 PSI COMPRESSIVE STRENGTH AT 28 DAYS.
 2. DESIGN LOAD FOR H-20 WHEEL LOAD.
 3. CATCH BASIN TO CONFORM TO ASTM-C478 SPECIFICATIONS.
 4. REINFORCE TO 0.12 IN SQ./LF.
 5. JOINTS SEALED WITH BUTYL RUBBER.
 6. POLYPROPYLENE STEPS 12" O.C.

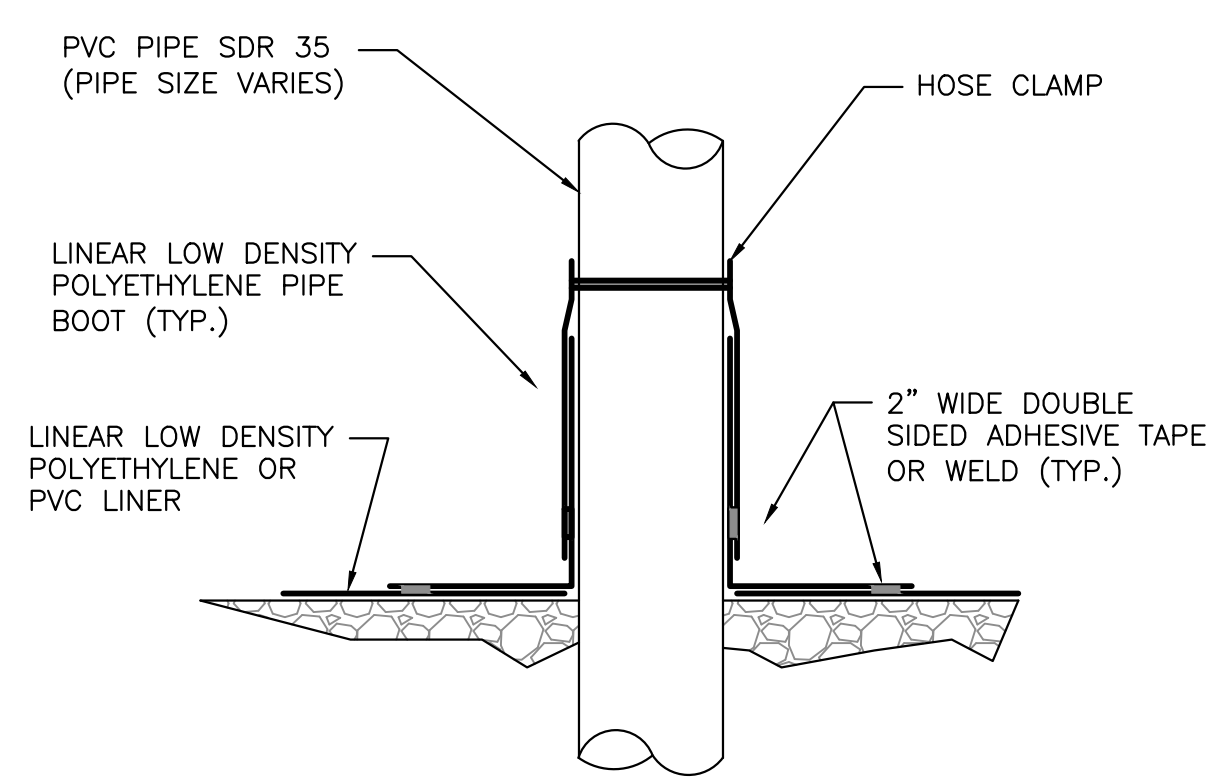


SIDE PROFILE



PLAN VIEW

OUTLET CONTROL STRUCTURE
NOT TO SCALE

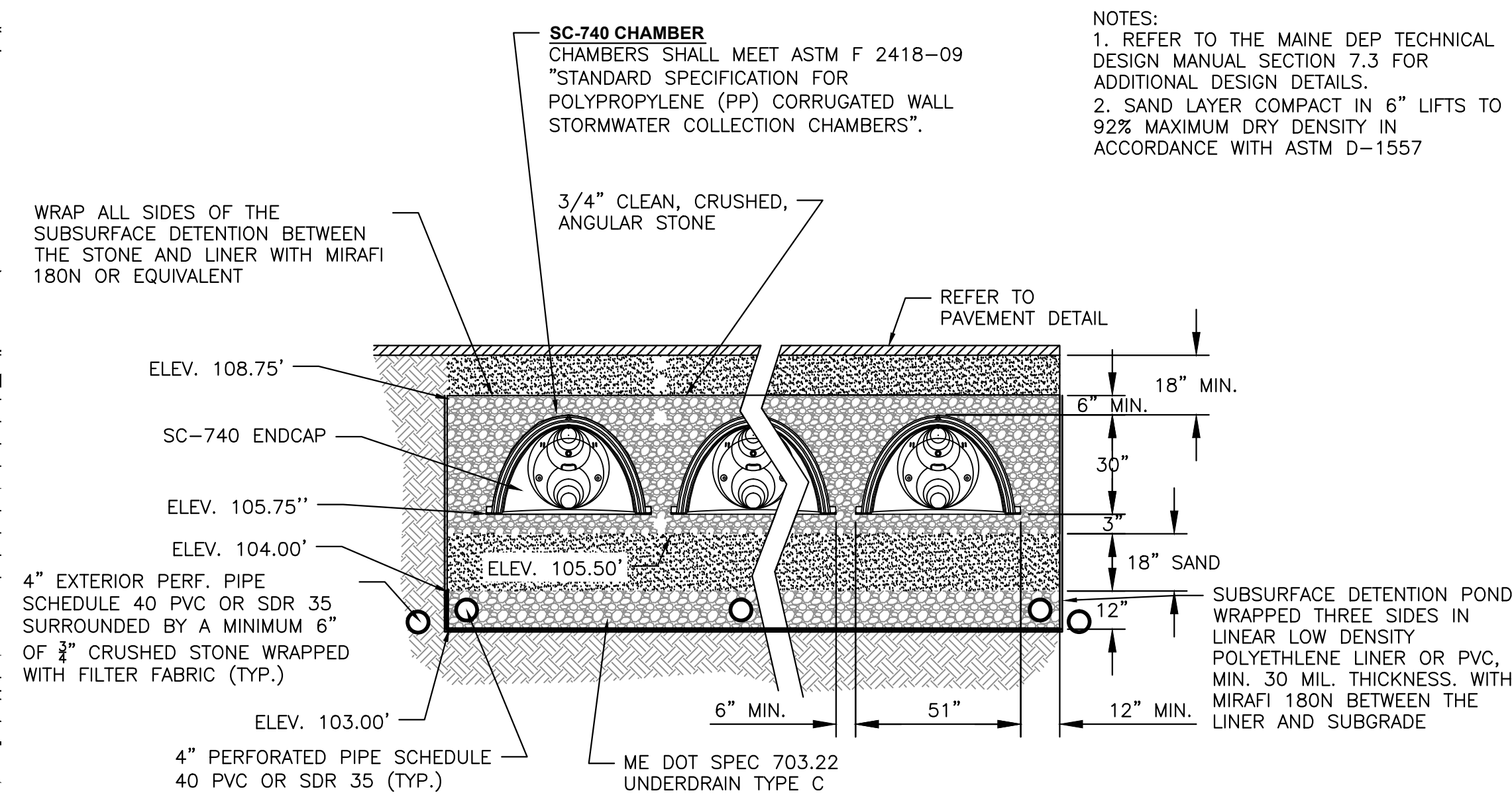


TYPICAL PIPE PENETRATION DETAIL
NOT TO SCALE

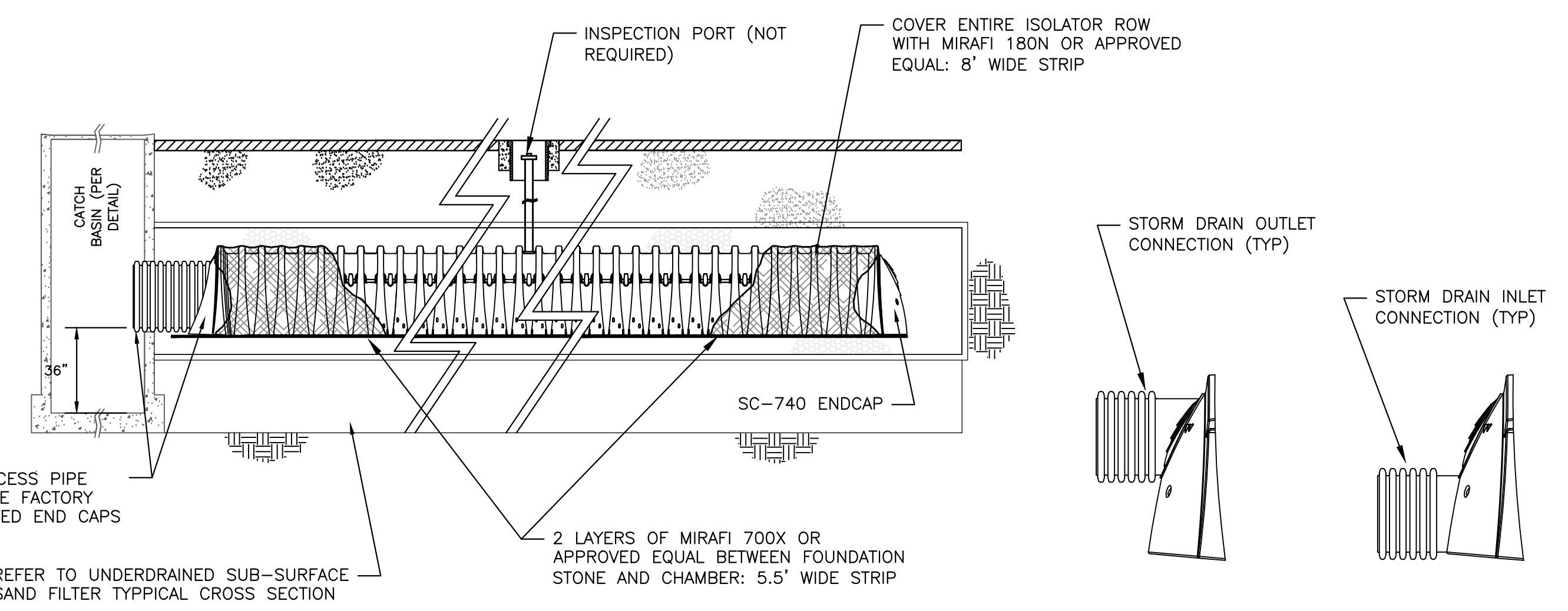
- MANUFACTURERS NOTES:**
1. ALL DESIGN SPECIFICATIONS FOR STORMTECH SC-740 CHAMBERS SHALL BE IN ACCORDANCE WITH THE STORMTECH DESIGN MANUAL
 2. THE INSTALLATION OF STORMTECH SC-740 CHAMBERS SHALL BE IN ACCORDANCE WITH THE LATEST STORMTECH INSTALLATION INSTRUCTIONS
 3. THE CONTRACTOR IS ADVISED TO REVIEW AND UNDERSTAND THE INSTALLATION INSTRUCTIONS PRIOR TO BEGINNING SYSTEM INSTALLATION. CALL 1-888-892-2694 OR VISIT WWW.STORMTECH.COM TO RECEIVE A COPY OF THE LATEST STORMTECH INSTALLATION INSTRUCTIONS
 4. CHAMBERS SHALL MEET THE DESIGN REQUIREMENTS AND LOAD FACTORS SPECIFIED IN SECTION 12.12 OF THE LATEST EDITION OF THE AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS

- ENGINEERS NOTES:**
1. THE LAYOUT AND DIMENSION OF THE SUBSURFACE DETENTION MAY BE MODIFIED WITH AN ENGINEER APPROVED EQUAL WHICH PROVIDES EQUAL DETENTION STORAGE AND WATER QUALITY TREATMENT.
 2. THE SUBSURFACE DETENTION SHALL BE INSPECTED BY THE DESIGN ENGINEER AT THE FOLLOWING INTERVALS:
 - AFTER PRELIMINARY CONSTRUCTION OF THE SUBSURFACE DETENTION GRADES
 - DURING THE CONSTRUCTION OF THE SAND FILTER LAYER
 - DURING THE INSTALLATION OF THE STORMTECH ISOLATOR ROW.
 - BEFORE BACKFILLING THE STORMTECH UNITS.

WORKSHOP SUBMISSION
75% LEVEL DRAWINGS
NOT FOR CONSTRUCTION



UNDERDRAINED SUB-SURFACE SAND FILTER
TYPICAL CROSS SECTION
NOT TO SCALE



ISOLATOR ROW - PROFILE VIEW
NOT TO SCALE

STORMTECH-CONNECTION
NOT TO SCALE

WORKSHEET FOR

11/7/13

REVISION	REV. DATE

DRAWING NAME: UNDERDRAIN SUB-SURFACE SAND FILTER

PROJECT NAME: MUNJOY HEIGHTS

CLIENT: REDFERN PROPERTIES PORTLAND, MAINE

ACORN ENGINEERING, INC.

3372 PORTLAND, MAINE 04104

(207) 775-2655

FILE: 047_details 11-12-13.dwg

DATE: 7/11/13

JN: 302-001

SCALE: NTS

DESIGN BY: WHS

DRAWN BY: ZRJ

CHECKED BY: WHS

DRAWING NO. C-46